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Mr. John Grantham
State of Washington
Department of Ecology
Nuclear & Mixed Waste Program
P. O. Box 47600
Olympia, WA 98504-7600

FLUOR DANIEL, INC.

Date: October 14, 1993

Reference: Hanford Waste Vitrification Plant
DOE Contract DE-AC06-86RL10838
Fluor Contract 8457

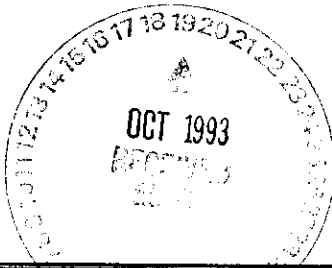
Transmittal No.: WDOE-678

Dear Mr. Grantham:

TRANSMITTALWe enclosed 12 copy of the items listed below. These are issued per US-DOE request.

☐ Approval ☐ Reference ☐ Review and Comment ☒ DCN-RFC

Response due to Fluor: N/AResponds to: E420 PACKAGE

NUMBER	REV	DATE	TITLE
DCN # 0105	0	10/07/93	DCN TITLE POWER TRANSFORMER SPECIFICATION REVISIONS
			"RELEASED FOR CONSTRUCTION"
			

Reference: FRP-1250, FUP-682

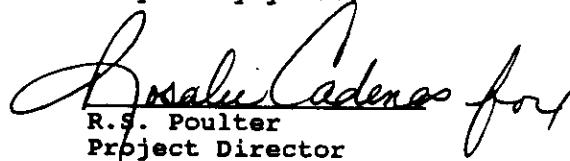
Distribution:

R. L. Long - DOE-RL, w/0

TWP/AME Corresp Cntrl Cntr MSIN A5-10
(E420 PACKAGE), w/0P. Felise - WHC-RL (MSIN G6-06), w/1
Environmental Data Management Center
(MSIN H6-08), w/1

D. Duncan - US EPA, Region X, w/0

Very truly yours,


R.S. Poulter
Project Director

RSP:AT:lh

**FLUOR DANIEL**US DEPARTMENT OF ENERGY
HANFORD WASTE VITRIFICATION PLANT**DESIGN CHANGE NOTICE****DCN - 0105**

REV

0

PAGE 1 OF 5

DCN TITLE

Power Transformer
Specification Revision

DATE INITIATED

8/8/93

PACKAGE NO.

E420

SECTION 1: DESCRIPTION OF CHANGE

Change transformer primary 600:5A current transformer from single ratio to multi-ratio type and neutral CT from 1200:5A to 600:5A to match one-line diagram with the transformer specification data sheet.

Add one-line drawing no. for reference.

CAUSE OF
CHANGE:

- ☐ Field Change Request
☐ Supplier Disposition
☐ Deficiency Report
☐ Design Development
☐ Change Request
☒ Other Correction

N/A

Initiating Document(s)

FOR LIST OF AFFECTED DOCUMENTS, SEE SECTIONS 6 AND 7.

SECTION 2: EVALUATION

ARE ANY OF THE FOLLOWING AFFECTED?

IF "YES" REVIEW
REQUIRED BY:REVIEWER
COMMENTS/SIGNATURE/DATE

WAPA

☒ NO☐ YES

QUALITY LEVEL I

☒ NO☐ YES

SAFETY CLASS 1 OR 2

☒ NO☐ YES

SYSTEMS ANALYSES

☒ NO☐ YES

MULTI-DISCIPLINE

☒ NO☐ YES

DCN Evaluated by:

Systems JKADM M.H. 9/9/93

Others _____

SECTION 3: APPROVED FOR CONSTRUCTIONAlbe Galebi

Originator

9/8/93
9-9-93 DateM.H. Katherston

Project/Resident Engineer

9/9/93

Date

SECTION 4: CONCURRENCEEdward Jacobs 9-27-93
Project Management DateJohn Smith 9-27-93
Systems DateChris Yee 9-29-93
Independent Safety DateRP Dulawski 9/24/93
Quality Assurance DateRP Dulawski 9/29/93
Configuration Management Date**SECTION 5: RELEASED FOR CONSTRUCTION**PE STAMP REQUIRED? ☐ NO ☒ YESPhil Phillips10/6/93
WHC DateE.D. Thonger10-6-93
UCAT DateKevin Nann10-7-93
DOE Date

COMMENTS:

**FLUOR DANIEL**US DEPARTMENT OF ENERGY
HANFORD WASTE VITRIFICATION PLANT**DESIGN CHANGE NOTICE****DCN - 0105**

REV

0

DISCIPLINE

Electrical

PKG. NO.

E420

PAGE

2

PREPARED BY: P. McCaughey

Date:

DISCIPLINE ENGINEER:

Abdullah

Date: 9-9-93

SECTION 6: CONSTRUCTION DOCUMENTS AFFECTED

DOCUMENT NUMBER	SHT/ PAGE	REV NO	DOCUMENT NAME	INCLD Y/N	DESCRIPTION OF CHANGE
B-595-C-E420- 16331	2, 11 & Attach- ment A	0	Power Transformer	Y	See Attached

SECTION 7: NON-CONSTRUCTION DOCUMENTS AFFECTED


This section references affected items such as P&IDs or calculations/analyses, but they are generally not included in DCN package.

DOCUMENT NUMBER	SHT/ PAGE	REV NO	DOCUMENT NAME	DESCRIPTION OF CHANGE
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N/A

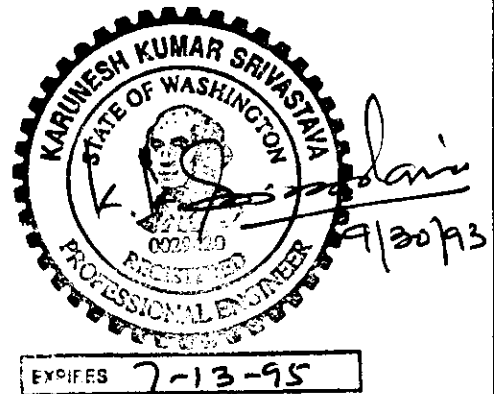
1.3 RELATED REQUIREMENTS


Drawing No. H-2-116501, 230-13.8 kV One-Line Diagram
 Sheets 1 and 2

 FLUOR DANIEL		U.S. DEPARTMENT OF ENERGY HANFORD WASTE VITRIFICATION PLANT		DESIGN CHANGE NOTICE		
DESCRIPTION OF CHANGE Change transformer primary 600:5A current transformer from single ratio to multi-ratio type and neutral CT from 1200:5A to 600:5A to match one-line diagram with the transformer specification data sheet. Add one-line drawing no. for reference.				BASE DOC. NO. 16331		
				SHT/PQ. 2 REV. 0		
				DISCIPLINE: Electrical		
PREPARED BY: P. McCaughey		DATE: 9/8/93		DCN - 0105	REV 0	PAGE 3
DISCIPLINE ENGINEER: <i>Alireza Salehi</i>		DATE: 9-9-93				

1.3 RELATED REQUIREMENTS

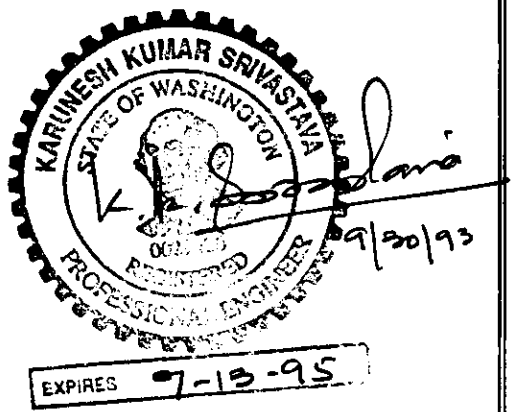
Drawing No. H-2-116501, 230-13.8 kV One-Line Diagram
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				SHT/PG. 2 REV. 0		
				DISCIPLINE: Electrical		
PREPARED BY: P. McCaughey		DATE: 9/8/93		DCN - 0105	REV 0	PAGE 3
DISCIPLINE ENGINEER: <i>Albe Jalebi</i>		DATE: 9-9-93				

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2.2.10.2 The control cabinet shall be outdoors type NEMA 3R per NEMA 250 with hinged gasketed doors three point latching, cabinet, shall allow bottom access for Buyer's power and control conduits.



 FLUOR DANIEL		U.S. DEPARTMENT OF ENERGY HANFORD WASTE VITRIFICATION PLANT		DESIGN CHANGE NOTICE		
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				SHT/PG. 11 REV. 0		
				DISCIPLINE: Electrical		
PREPARED BY: P. McCaughey		DATE: 9/8/93		DCN - 0105	REV 0	PAGE 4
DISCIPLINE ENGINEER: <i>Abe Talebi</i>		DATE: 9-9-93				

Attachment A
Data Sheet E420 DS-1

H. Additional Accessories

8. Current Transformers
H1-H2-H3

No. 2:

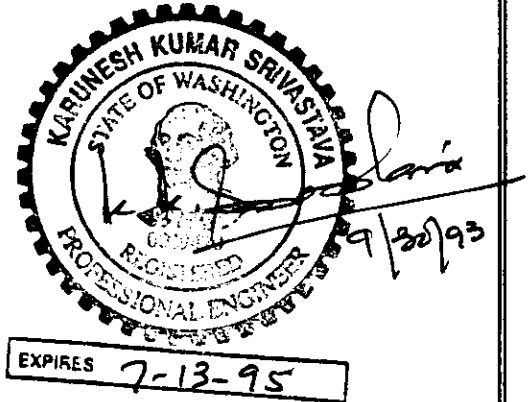
~~Multi~~-Single Ratio


H. Additional Accessories

8. Current Transformers
H0:

No. 1:

~~600:5~~
~~1200:5~~



 FLUOR DANIEL		U.S. DEPARTMENT OF ENERGY HANFORD WASTE VITRIFICATION PLANT		DESIGN CHANGE NOTICE		
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				SHT/PG. Attachment A REV. 0		
				DISCIPLINE: Electrical		
PREPARED BY: P. McCaughey		DATE: 9/8/93		DCN - 0105	REV 0	PAGE 5
DISCIPLINE ENGINEER: <i>Ali Salehi</i>		DATE: 9-9-93				